

RECEIVED
CENTRAL FAX CENTER

FEB 17 2006

FAX COVER SHEET



PLEASE CONFIRM RECEIPT OF THIS FACSIMILE

DIRECTV

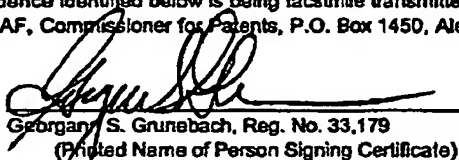
Attention:	MAIL STOP AF Group Art Unit: 2631 Examiner: Juan A. Torres	Fax:	(571) 273-8300
UNITED	STATES PATENT AND TRADEMARK OFFICE	Phone:	(571) 272-3119
Pages:	Cover + 2 + 2 + 1 + 5 = 11	Date:	February 17, 2006
From:	Georgann S. Grunebach Assistant General Counsel	Fax:	(310) 964-0941
		Phone:	(310) 964-4615

The information contained in this facsimile is confidential and may also contain privileged attorney-client information or work product. The information is intended only for the use of the individual or entity to which it is addressed. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received the facsimile in error, please immediately notify us by telephone, and return the original message to us at the address below via the U.S. Postal Service. Thank you.

CERTIFICATION OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence identified below is being facsimile transmitted to (571) 273-8300 (Centralized Facsimile Number), addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 17, 2006.

Telephone No. (310) 964-4615


Georgann S. Grunebach, Reg. No. 33,179
(Printed Name of Person Signing Certificate)

February 17, 2006
(Date of Signature)

Attention: Commissioner for Patents

Attorney Docket No. PD-201148

Please find attached Re:

Serial No.: 10/068,039

Filing Date: February 5, 2002

- > INFORMATION DISCLOSURE STATEMENT (2 pages in duplicate)
- > SUBSTITUTE FORM PTO 1449 (1 page)
- > NON-PATENT LITERATURE (5 pages)

PLEASE CONFIRM RECEIPT OF THIS FACSIMILE

If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.

RECEIVED
CENTRAL FAX CENTER

FEB 17 2006

Patent
PD-201148
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen et al. : I hereby certify that this correspondence is
: being facsimile transmitted to (571) 273-8300
Serial No.: 10/068,049 : (Centralized Facsimile Number),
Filed: February 5, 2002 : addressed to:
: Mail Stop Amendment, Commissioner for
For: PREPROCESSING SIGNAL : Patents, P. O. Box 1450, Alexandria, VA
LAYERS IN A LAYERED : 22313-1450, on the date below:
MODULATION DIGITAL SIGNAL :
SYSTEM TO USE LEGACY :
RECEIVERS :
: Georgann S. Grunebach
: Typed or printed name of person signing certificate
Group Art Unit: 2631 :
Examiner: Juan A. Torres : Date: February 17, 2006

SUPPLEMENTAL DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97 (d)
WITH FEE AS SET FORTH IN §1.17(p)

Mail Stop AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The reference cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

The reference was cited in a European Patent Office communication dated February 2, 2006 in the counterpart European patent application.

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. § 1.97(d).

Serial No. 10/068,039.....Page 2

Certification Under 37 C.F.R. §1.97(e)

Each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. § 1.97 (e)(1)).

PAYMENT OF FEE SET FORTH IN §1.17(p)

Please charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California, in the amount of \$180.00. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. **This form is being submitted in duplicate.**

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By:


Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
RE/R11/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

February 17, 2006


RECEIVED
CENTRAL FAX CENTER

FEB 17 2006

Patent
PD-201148
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen et al. :

Serial No.: 10/068,049
Filed: February 5, 2002For: PREPROCESSING SIGNAL
LAYERS IN A LAYERED
MODULATION DIGITAL SIGNAL
SYSTEM TO USE LEGACY
RECEIVERSGroup Art Unit: 2631
Examiner: Juan A. TorresI hereby certify that this correspondence is
being facsimile transmitted to (571) 273-8300
(Centralized Facsimile Number),
addressed to:Mail Stop Amendment, Commissioner for
Patents, P. O. Box 1450, Alexandria, VA
22312-1450, on the date below:
Georgann S. Grunebach
Typed or printed name of person signing certificate

Date: February 17, 2006

SUPPLEMENTAL DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97 (d)
WITH FEE AS SET FORTH IN §1.17(p)Mail Stop AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The reference cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

The reference was cited in a European Patent Office communication dated February 2, 2006 in the counterpart European patent application.

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. § 1.97(d).

Serial No. 10/068,039.....Page 2

Certification Under 37 C.F.R. §1.97(e)

Each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. § 1.97 (e)(1)).

PAYMENT OF FEE SET FORTH IN §1.17(p)

Please charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California, in the amount of \$180.00. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. This form is being submitted in duplicate.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By: 

Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
RE/R11/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

February 17, 2006

PTO/SB/088 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/068,039
	Filing Date	February 5, 2002
	First Named Inventor	Ernest C. Chen
	Art Unit	2631
Examiner Name	Torres, Juan A.	
Sheet 1 of 1	Attorney Docket Number	PD-201148

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		MEYR, HEINRICH; MOENECLAAY, MARC; FECHTEL, STEFAN A.; "Digital Communication Receivers: Synchronization, Channel Estimation and Signal Processing"; 1998; pages 610-612; John Wiley & Sons, Inc. publisher; US; XP002364876	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.